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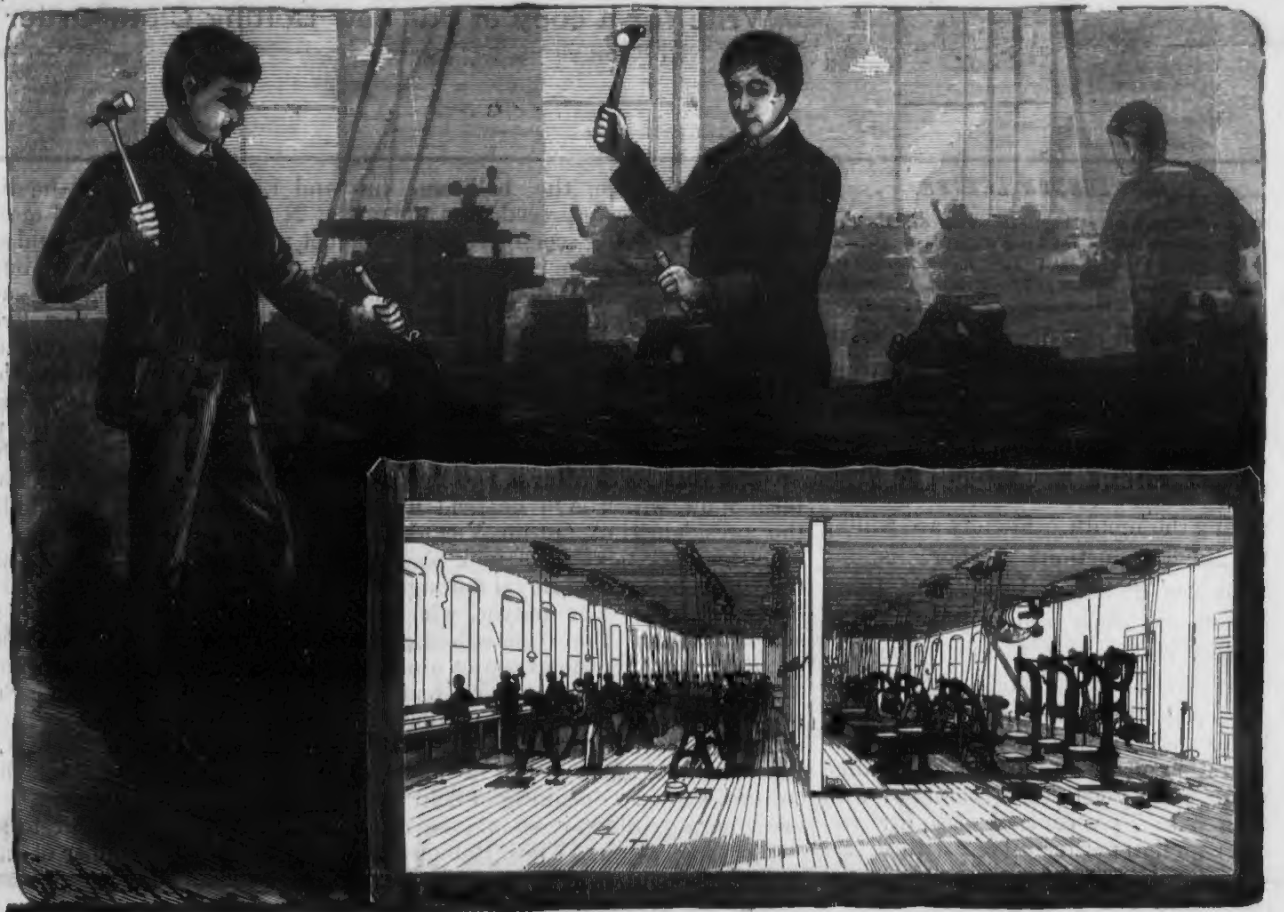
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MILWAUKEE, FEBRUARY, 1889.

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### OUR LONDON LETTER.

*Review of January Markets.—Fun on the Corn Exchange.—The Coming Jubilee Show.—An English Model Mill for Exhibition.—The Flour Ring.—Heavy Flour and Grain Exports from Hungary.*

The month of January has generally been quite spring-like, instead of being the cold, frosty, seasonable winter month that was required to put life into the wheat trade, and the effect on prices has been that they have steadily fallen during the month. Factors are willing to make reductions if there is any chance of getting a buyer, but transactions are slow and difficult. The millers and wheat factors have had some good discussions of how to remove the serious impediment to the Indian wheat trade, which is now under consideration at the Indian office. Indian wheat usually arrives in England with from 3 to 7 per cent. of dust, dirt and other foreign matter mixed with it, and buyers in England have been under the impression that the admixture is unavoidable. The fact is, however, that the millers, buyers and corn trade associations in England are answerable for this adulteration. The standard on which sales are made and the grain shipped allows of 4 per cent. impurities, and the expense of railway carriage and sea freight is so heavy that shippers in India cannot afford to send a purer article. If the purchaser in England will insist on a higher standard—allowing, say only 2 per cent. of impurities—India will be ready to adopt it, as when the wheat is separated from impurities, a much higher price will be obtained for the grain on the English markets. Americans should be pleased at this reform, as it will certainly enable them to get a better price for their wheat and flour by removing a quantity of cheap grain from the English markets, which, when present, has a depressing effect on prices.

On Christmas eve, the salesmen at the various stands on Mark Lane Corn Exchange found the time hang so heavily on their hands, on account of the limited amount of business and scarcity of attendance, that they were tempted to find something to distract them from the rather melancholy pastime of comparing records of blank sales with one another. At any rate, towards the time of closing the market a foot-ball suddenly rose above the heads of the crowd that usually gathers in the center of the building, and before many seconds were over it was being propelled hither and thither by nimble feet, to which it was evidently no stranger. The worthy official who forms the tallest object on the market (with the exception of the clock tower), tried to put a stop to the game by impounding the foot-ball, but even his stalwart frame was unable to stem the torrent of athletic players who stopped his "rush," and for a little time the market was the scene of several little foot-ball scrimmages, in which the tall but good-humored representative of law and order invariably formed the central figure. At last, with some further

official assistance, the ball was impounded, and the unprecedented and not altogether edifying scene terminated.

FRANCE during the past five months has been importing double its usual quantity, and with stocks in granary increased, the markets keep inactive and discouraging. The election of General Boulanger in Paris, has not, so far, had any effect on the markets.

A meeting in connection with the great Royal Agricultural Society's Jubilee Show, which is to be held under the presidency of Queen Victoria in Windsor Park next June, took place at the Guild hall of the Royal borough on Saturday last. The mayor, who presided, reported that the subscription promised towards the expenses amount to £3,125, of which £2,850 had already been received. The exhibits of milling machinery will be greater this year than is usual at the Royal Agricultural shows. Speaking of flour mill machinery exhibits, it should be mentioned that Messrs. Thos. Robinson & Sons, Ltd., the well-known milling engineers of Rochdale, who are at the present time very busy erecting mills on their improved flour milling system in Australia, France and this country, intend to have at the great Paris exhibition a model flour mill. Mr. S. Howes, of Silver Creek, N. Y., and 64 Mark Lane, London, will also have at the Paris exhibition a large show of their Eureka wheat cleaning machinery.

A FLOUR RING has been started in that part of England between the Humber and the Tweed, although the capital required has not yet been subscribed, viz.: £1,500,000. A prospectus of the scheme, marked "private and confidential," has been issued. The name given to the company is the "North-Eastern Millers, limited," and its profits are estimated at 16 per cent. on the capital of £1,500,000. These figures are arrived at by estimating a profit of two shillings per sack on all flour handled. The millers, whose names are given as directors of this enterprise, are:

Mr. R. H. Appleton, Stockton-on-Tees, who was president of the National Association a few years since; Mr. Thomas French, Stockton; Mr. Henry Leatham, York; Mr. Henry Proctor, Newcastle-on-Tyne, and Mr. Robert Scafton, Middlesboro.

The above five gentlemen are selling their mills to the company, the understanding being, it is said, that each miller who sells his mill should take one-third of the price in shares. It will thus be seen that as these millers are both buyers and sellers, their own interests will, no doubt, be carefully looked after. A well-informed correspondent, writing from Newcastle to a London evening paper states that "The representation of a prospective profit of 2s. a sack, if based upon the past is a fraud—nothing less. Just look at it. A miller with an out-turn of one thousand sacks of flour a week—this is now considered as a very small mill—at 2s. a sack profit would make a net profit of £5,200 a year. A mill with an out-turn of 4,000 sacks a week, such as Appleton's

and Leatham's (two of the directors), at 2s. a sack profit, would mean £20,800 net profit in a year. Would any miller, big or little, part with his business to a syndicate if he was making such profits? If an average of the last five years is taken, I will guarantee, and I speak from intimate practical knowledge, their profits will not reach 1s. per sack, and I question if they can show any profit over that period at all. Taking the general average of the lot they will not show 8d. profit. During the last half of 1888, owing to the rapid advance in wheat, they would show a better return, but up to that period it was notorious that they were making no profits at all; and, indeed, the records of the Bankruptcy Court demonstrate that some at least experienced heavy losses. Sixteen per cent. profit upon their out-turn is therefore ridiculous on the face of it. Why are millers so anxious to get rid of their property?"

The reason is not far to seek when we consider the number of mills there are erected in the north of England on the roller system and the capacity of the mills as compared with the district they have to supply.

It should be also noted that the co-operative societies control at least 50 per cent. of the distribution of the flour. They have many mills which they work themselves, and are also erecting a large mill at Dunstan-on-Tyne, capable of producing 8,000 sacks of 280 lbs. each of flour per week when in full work. The Wholesale Co-operative Society has already been approached by the directors of the flour syndicate; but they have decided, much to the chagrin of the flouring promoters, not to sell any of their mills or take shares in the syndicate. On Saturday last a special meeting of the Wholesale Co-operative Society was held at Newcastle, to hear a paper read by Mr. D. R. Bailey, Hon. Sec. to the Northern Section on "The Great Flour Ring and Syndicate, and the position of these rings to the co-operative movement." Delegates were present from Gateshead, Chester de Street, Seaton, Delaval, Newbottle, Stockton, Hartlepool, Hilton Downs, New Delaval, Walker, Wallsend Carlisle, Consett, Newcastle, Berwick Main, Armfield Plain and Paisley. The paper condemned and denounced the Flour Syndicate in no measured terms. In the discussion that followed the societies decided that they would not only not countenance the syndicate, but whilst their mill is being constructed they will practically boycott the syndicate, by refusing as far as they possibly can, to buy flour from them. They will buy imported flour, or import their own, or arrange with outside millers. This they can easily do. W. R. Hamilton (of Chester-de-street), moved a resolution as follows: "That the formation of syndicates and rings by a few large capitalists for the monopoly of any given article of use or for consumption, is injurious to the community at large, pledging the conference to use every means to obtain for the co-operators of district, their supplies, through co-operation and wholesale organization, and requesting the committee of Co-operative Wholesale Society

to forward, with all practical speed, the erection of a corn mill at Dunstan-on-Tyne." This was seconded and carried unanimously. A good reason why the millers are pressing forward their prospectus, at the present time, is that they will get 50 to 100 per cent. more for their properties and good-will than they would fetch in the open market. It will pay them to have not only one-third of their valuations in trust, but one-half for a time. If a profit is shown on the first six or twelve months' working, which is possible, without American competition, they will, no doubt, take the opportunity to clear out. It is not believed, however, that any body of independent investors will be found to risk their money in the venture. Stimulated, no doubt, by the formation of the millers' syndicate, the operative millers employed in the various flour manufacturing establishments have set about the formation of a protective organization of their own. After two successful preliminary meetings, a largely attended general meeting was held at the end of last week at Stockton-on-Tees. It was resolved that the association be called the "National Operative Millers' Union." The object of this union amongst the operative millers is "defense, not defiance," which became necessary by the action of promoters of the "Flour Ring."

I must not conclude this letter without drawing the attention of American millers to the flour exportation from Fiume, which, in consequence of the abundant harvest in Hungary, attained last year the unprecedented figure of nearly 1,250,000 double centners as against 755,986 in 1887. The largest quantity, namely 873,200 double centners, was shipped to Great Britain, and showed an increase of 301,800 double centners in comparison with the previous year. The quantity sent to France also increased from 88,771 to 152,975 double centners, and the remainder was dispatched to Spain, Holland, Belgium, Portugal and Brazil.

L. MAYGROVE.

ATTRACTIVENESS, cleanliness and convenience, are important factors conducive to health and happiness in all shops and factories. It is only from the healthful, contented man, that we have a right to expect good work. No one can be happy or retain good health who is obliged to operate the ill-designed, back-breaking machinery in some of the filthy places I call to mind; but thanks to progress, such machines and shops are a long way in the minority, and let us hope the time is not far distant when they will disappear entirely.

If I had the ruling of affairs I would have the workshop as attractive as the flowers of June; as enticing as the fruits at the "Harvest Feast;" I would have the tools as convenient as the "Magician's Wand," and the "Cup of Knowledge" more fascinating and exhilarating than the wine-cup. Work should be a pastime—the workman's life like unto one long holiday.—T. P. Farmer in *The American Machinist*.

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E. HARRISON CAWKER, EDITOR.

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MILWAUKEE, FEBRUARY, 1899.

We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER. You will thereby oblige not only this paper, but the advertisers.

## MILWAUKEE AMUSEMENTS.

ACADEMY OF MUSIC—First-class theatrical entertainments every evening. Matinees Wednesdays, Saturdays and Sundays, at 3 p. m.

STANDARD THEATRE (South-side)—Every evening; matinees Saturdays and Sundays, at 3 p. m.

GRAND AVENUE THEATRE AND MUSEUM—Open daily from 10 a. m. to 10 p. m.

STADT THEATRE (German)—Wednesday and Sunday evenings.

PEOPLE'S THEATRE—Choice variety performances every evening; matinees Tuesdays, Fridays and Sundays, at 2:30 p. m.

PUBLIC MUSEUM, Exposition Building—Open daily; admission free.

LATTON ART GALLERY—Open daily. Free admission Tuesday, Thursday and Saturday.

UNDER date of Feb. 20, we are authorized to state that "The Spring Wheat Millers' Association of the United States" represent a daily capacity of 55,600 bbls.

If you are about to build write to the UNITED STATES MILLER for a copy of "Brean's House Plans," and enclose fifty cents in stamps. It will help you

THE Baker's Helper is the title of a neat journal published in Chicago by The Chapman & Smith Co. It is printed in both German and English. It is published monthly and the subscription price is \$1.00 per year.

BRO. REIFSNIDER, of The St. Louis Miller, is now reported to be the owner of a full-fledged flour mill at Eldorado Springs, Mo. That it may turn out good, broad bran, and a clean, clear product, and bring in lots of shekels, is the worst wish we have for "Eli."

HAVE you a wife, daughter or sweetheart? If so, send \$1.10 for a copy of The Ladies' Home Companion and THE UNITED STATES MILLER. Both papers for one year for \$1.10. The former is published twice a month, and is a beautiful 16-page paper. Address THE U. S. MILLER, Milwaukee, Wis.

THE Nebraska legislature is trying to pass a "bucket-shop bill"; The New York legislature are trying to pass a bill prohibiting dealing in grain futures; Nevada is trying to establish state lotteries, and Montana has legalized "faro" and "draw-poker." In the meantime the Supreme Court of New York has handed down a decision legalizing "bucket-shops." And still we are not all happy.

THE President has approved the act to enlarge the powers and duties of the Department of Agriculture, and to create an executive department to be known as the Department of Agriculture. This is evidently a wise act, and we hope to see great improvements in the management of the department hereafter.

In the city of Yankton, a 40-horse-power turbine water-wheel operating a tow-mill by day and an electric light by night, is driven by the force of water

flowing from an artesian well, the cost of obtaining which was no greater than would have been the cost of a steam engine developing the same power, and counting the continual outlay necessary (had steam been employed) for fuel, repairs, and the salaries of engineer and fireman.

THE Baltimore Journal of Commerce of a recent date tells the following pretty little reminiscence:

To show how closely the loaf is allied to home and comfort, we will relate a story told by a lady of Asheville, N. C., soon after our civil war. She said: "We were—all that was left of us—seated around the tea-table one evening. The all was the little mother, the aged and feeble grand-parents, and the young who were unable to carry a musket. The tea was warm, but had never known China; the cattle had gone far a-field—to the commissary, there was no butter and little of anything else. A carefully wrapped package was laid on a napkin near the center of the table, and little mother came in, and unfolding disclosed a loaf of white bread, such as we had not seen for weary months. Hastily and nervously she divided it. The little ones clutched and ate their share quickly. We, the older ones, touched but could not taste nor swallow. There was a lump in the throat, you know," she said, sobbing.

WE will send the UNITED STATES MILLER and American Miller to any address in the United States or Canada for one year for \$1.50, or both papers and "50 novel" premiums for \$1.75.

## ANOTHER PATENT WAR COMMENCED.

Millers all over the country will be interested in a suit to be tried in the United States court at Detroit, Mich., this month. The suit is brought by the Consolidated Roller Mill Company against W. A. Coombs, of Coldwater, Mich., for an alleged infringement of one of their numerous patents, and it promises to be as important as the famous Cochrane case, and of as general interest to millers, except that in this case all millers who were members of the National Association prior to March 9, 1887, are relieved by reason of an agreement between the Association and the Consolidated Company whereby the latter agreed to relieve the members from all infringements previous to that date. All millers using rolls furnished by the Consolidated Company are likewise exempt. The suit is brought ostensibly against the miller, but it is understood to be aimed at some of the twenty or thirty firms manufacturing various kinds of rollers. The Consolidated Company is composed of E. P. Allis & Co., of this city; Stilwell & Bierce Mfg. Co., of Dayton, Ohio; the Nordyke & Marmon Co., of Indianapolis and the J. T. Noye Mfg. Co. of Buffalo. It controls about eighty patents. As it has employed Rodney Mason, the noted patent lawyer, to prosecute its case, and has been two years in collecting its evidence, it is safe to say this is a test case of no small importance. The value of The Millers' National Association as a protection against patent litigation, will be duly appreciated by members.

THE C. I., St. L. & C. Ry. (Kankakee Line) is the best line to Cincinnati; Richmond, Va., Newport News, Washington, Baltimore, Chattanooga, Atlanta, Savannah, Charleston, Jacksonville, St. Augustine, Thomasville, Pensacola, Mobile, New Orleans, and all points in the South and South-east.

## NEWS ITEMS OF ALL SORTS.

DEAD, John Engleke, a well known St. Louis miller.

CANADIAN millers are petitioning their Parliament for protection.

THE Chamber of Commerce at Duluth, Minn., was destroyed by fire Jan. 27.

BURNED—Feb. 8, Lewis Van Inwagen's elevator with contents, at Hastings, Minn.

J. B. KEHL's mill at Chippewa Falls, Wis., was badly damaged by fire Feb. 23. Insured in the Miller's Mutual.

BURNED, Feb. 13, Higgins & Murchison's elevator at Indianapolis, Ind., containing 40,000 bushels of corn.

THE Baltimore and Ohio R. R. will build an elevator of 1,000,000 bushels capacity at Philadelphia, this year.

THE farmer's elevator at Tobias, Neb., will soon be completed, and a 60-barrel steam-roller-mill is under way.

THE Kansas Elevator Company of Armourdale, Kas., will establish a flouring mill in connection with the elevator.

A \$400,000 fire occurred in Montreal, Feb. 16, in which about \$100,000 worth of No. 1 wheat, belonging to Goulds, the millers, was destroyed.

BELIOT, Wis., has secured the location of The Williams Steam Engine Works of Chicago. The city gave as a bonus ten acres of land and \$10,000 in cash.

It is reported that W. W. Cargill, of La Crosse Wis., will probably build a mill this year at Sault Ste. Marie, Mich. The work on the canal there is progressing rapidly.

FEB. 5, Brown's elevator, Lincoln, Neb., caught fire and burned to the ground. The elevator is a total loss, together with 30,000 bushels of grain. The loss will aggregate \$50,000.

THE Stilwell & Bierce Manufacturing Co., of Dayton, are at work on a power plant, including Victor turbines, for a new pulp and paper mill for Messrs. Kimberly, Clark & Co., of Neenah, Wis.

Two hundred members of The Philadelphia Produce Exchange made an excursion to Washington, D. C., Feb. 11, and called on President Cleveland. This excursion took the place of their annual banquet.

AT Fostoria, Mich., Feb. 14, fire was discovered in the elevator of Foster & Borsen. The building which contained 1,000 bushels of wheat and 2,000 bushels of oats burned to the ground. Loss \$6,000; insured for \$3,500.

A FLUME costing over \$1,000,000 has just been completed at San Diego, Cal. It will furnish that city and vicinity with water. The flume is 50 miles long and passes over 350 trestle bridges, and through eight tunnels.

BURNED—Feb. 16, Mrs. J. R. Cook's 150-barrel mill at Rochester, Minn. Loss \$15,000. No insurance. The mill has stood idle for a long time, and the fire was evidently the work of an incendiary. One man was badly injured by falling timbers.

KELLY & LYLE's mill, Leavenworth, Kas., the largest concern of its kind in Kansas, caught fire Feb. 23, and burned to the ground. The elevator, containing 200,000 bushels of wheat, was also destroyed. The loss will be over \$500,000. Spontaneous combustion was probably the cause.

AT Staunton, Ill., Feb. 9, the Staunton Elevator, the property of the Star Milling Company, was destroyed by fire. One thousand bushels of wheat and 400 bushels each of corn and oats were consumed. The loss is about \$5,000, on which there was \$2,100 insurance. It is thought the fire was of incendiary origin.

AT Kansas City, Mo., Feb. 7, an explosion of dust occurred on the fourth floor of the Corle & Sons' oatmeal mills, corner of Santa Fe and Eighth streets, and immediately fire broke out. The total loss on the building, machinery and stock is between \$15,000 and \$20,000, which is covered by insurance for more than twice the greater amount.

EDW. F. HECHT, cashier of Chas. Kaestner & Co., of 303 S. Canal st., Chicago, mill-furnishers, was attacked at mid-day by three thugs who endeavored to rob him of a satchel containing a considerable sum of money which he was bringing from the bank to pay off workmen with. Although badly bruised in the tussle, we are glad to learn that he was not seriously hurt.

THE firm of Poole & Hunt, machinists at Baltimore, Md., has been dissolved by the retirement of German H. Hunt. The senior member of the firm, Robert Poole, has associated with him his son George Poole. The firm of Poole & Hunt had been in existence for 38 years. The number of employees is about 300. Mr. Hunt will take a rest for at least a year, during which time he will make a tour of Europe. After this he will engage in a new enterprise.

SAYS a Canadian exchange: "A new flour mill is to be built during the coming summer at Port Arthur by Messrs. Hastings & McGaw which will be among the best and most modern mills in Canada, if not the largest; it will be of brick and stone; of 500 barrels daily capacity; six stories high; an elevator of 40,000 bushels in connection; cost about \$75,000. They are to get a bonus of \$15,000 and exemption from taxation, and agree to have the mill in running order by Oct. 15th.

OUR readers will confer a favor by writing to us giving us any item of news such as new mills, elevators, etc., or improvements in the same, or giving information of a practical nature of general interest to the trade.

## MILWAUKEE ITEMS.

MR. FERDINAND SCHLEISER, well known to a good many millers and mill-furnishers, from his connection with the Cockle Separator Manufacturing Co., the Milwaukee Dust Collector Co., etc., has of late years become a prominent character in mining circles. He has recently aided in organizing a syndicate for the purchase of the Chapin iron mine, the largest in the world, for the sum of \$2,000,000. Recently he paid \$600,000 into the Plankinton Bank as the first payment. Mr. Schleisenger will be President of the new company. He also owns an interest in the

York mine, said to be worth a cool million. We congratulate Mr. Schleisenger on his good fortune.

THE first electric traveling crane ever built in the United States has just been introduced in the foundry of E. P. Allis & Co. It is a ponderous affair weighing 30 tons, and capable of lifting and carrying to any part of the foundry with ease, a weight of 25 tons. The crane is a bridge-like affair, suspended on tracks on each side of the foundry, near the ceiling. It is provided with three electric motors. One moves the crane, another moves the carriage with which the crane is provided from one side of the foundry to the other, and the other runs the lifting machinery. Its advantage over the ordinary power traveling crane, which it resembles somewhat, is a saving of the power and wear and tear of machinery. The only other electric crane known is in an English foundry, the latter being supplied with only one motor, rendering clutches and complicated gearing necessary.

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## ANALYSIS OF WHEAT.

In reading the tables of analyses quoted by different writers, it will be noticed that they do not by any means agree as to the constituent parts of certain wheats. It appears to be useless to expect any very great uniformity in these statements. The reason may be that no two analysts treat precisely similar wheats (and it is a nice point of practical milling knowledge that no two parcels of the same class wheats work exactly alike), consequently such diversity as we find may be explained by variations of soil, climate, or temperature, rather than by assuming that some, at least of the scientists, have given inaccurate figures.

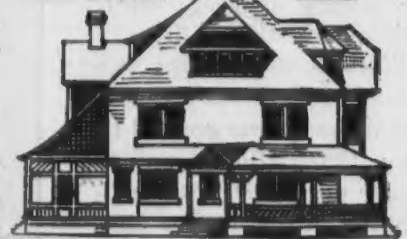
The physical structure of a wheat grain is said by Mege-Mouries to consist of the following parts:

- |  |              |          |
|--|--------------|----------|
| 1. The outer skin or epidermis equal to..... | 0.5 of grain | } Ofale. |
| 2. The 2d skin or epicarp equal to.....      | 1.0 "        |          |
| 3. The 3d skin or endocarp.....              | 1.5 "        |          |
| 4. The 4th skin or testa.....                | 2.0 "        |          |
| 5. The embryo or germ.....                   | 2.0 "        |          |
| 6. The embryo membrane.....                  | 3.0 "        |          |
| 7. The endosperm.....                        | 30.0 "       |          |
|  | 100.0        |          |

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## THE PRATT INSTITUTE, BROOKLYN, N. Y.

In the "good old days of our fathers" the boy or young man desiring to learn a trade, was obliged generally to become apprentice to some master and serve several years before he was considered competent to enter upon his duties as a journeyman. During this period of apprenticeship he was expected to do the necessary sweeping and cleaning up around the shop, run errands, do chores about the master's house, etc.

Within the last generation there has arisen a demand for institutions combining teaching with practice, in which trades could be well and quickly learned. There are now a number of these establishments in different parts of this country, and judging from the extent that they are patronized, they indeed fill along-felt want.

We take pleasure in calling to the notice of our readers the Pratt Institute of Brooklyn, N. Y., and the illustrations herewith given will give a very good idea of the value of such a place of instruction for the public welfare.

The Institute owes its existence to the philanthropic nature and personal efforts of Mr. Charles Pratt, who, in his youth was compelled to obtain his knowledge of practical mechanics in the old-fashioned way. He determined, while enduring the hardships of a poor apprentice, that if he should succeed in life he would make the road to practical knowledge easier to at least a portion of mankind whose youth succeeded his. How well he has accomplished his design the reader can readily imagine.

The buildings of the Pratt Institute in Brooklyn contain from three to four acres of floor space and are from six to eight stories in height. They occupy a plot of ground 350 x 200 and across the street there is another plot of ground 250 x 200 feet, which at present is used for a playground for boys. Both male and female students receive instruction. The buildings are built tastily and substantially and are supplied with all the modern appliances for heating, lighting, ventilation, prevention of fire, etc.

Work on the building was commenced in July, 1885, and a charter was granted in May 1887, with power to confer degrees. The Institute has a free library containing several thousand volumes; a free reading room supplied with a great number of American and foreign periodicals and reference books, and a technical museum containing specimens of manufactured articles and the crude materials from which they are made, so arranged as to show the various processes through which they pass from the raw material to the finished product.

We have not the space here to enter minutely into the minute description. Our object is to call attention to it, and those who desire further information can do so by writing to the Secretary of the Pratt Institute, Brooklyn, N. Y. It is worthy of the careful investigation of all who have the desire and means to avail themselves of its benefits.

## THE WINTER-WHEAT MILLERS' CONVENTION.

On the fifth of February about two hundred representative millers from various winter-wheat states assembled in convention in the hall of the Board of Trade at Indianapolis, Ind. The object of the convention was to establish an organization which would be able to regulate the trade so as to make it a reasonably prosperous one. The millers present fully recognized the fact that without some such organization the trade, if not already so, would soon

On the evening of February 5th a magnificent banquet was given to the visitors by the mill furnishers and manufacturers, millers, transportation companies and business men of Indianapolis. The banquet was thoroughly enjoyed while listening to the sweet strains of music from a fine band. A colored quartette also charmed those present with several happy songs. The inner man being satisfied the toast, master D. H. Ranck, Esq., the accomplished editor of *The Millstone* proceeded to read a number of good toasts, all of

THE GRAND HOTEL stands high in the estimation of all visitors.

MANY millers were much disappointed in not being able to find time to take the trip around on the Belt Line, and visit The Nordyke & Marmon Mfg. Co.'s works and other establishments. Those who could stay were well repaid for their time and trouble.

M. H. ESCOTT, formerly of Milwaukee, but now with the J. B. Alfree Co., of Indianapolis, we are glad to say is again in good health and seemed to enjoy himself well in making things pleasant for visitors.

Among the visiting orators present at the banquet were Smith, Ballard, McCann, Seybt, and—well—come to think of it, the majority present were all orators.

## FOREIGN ITEMS.

THE United Kingdom's wheat crop in 1888 was 74,493,133 bus., against 76,224,940 bus. in 1887, 63,847,885 bus. in 1886, 79,635,269 bus. in 1885, and 82,069,984 bus. in 1884.

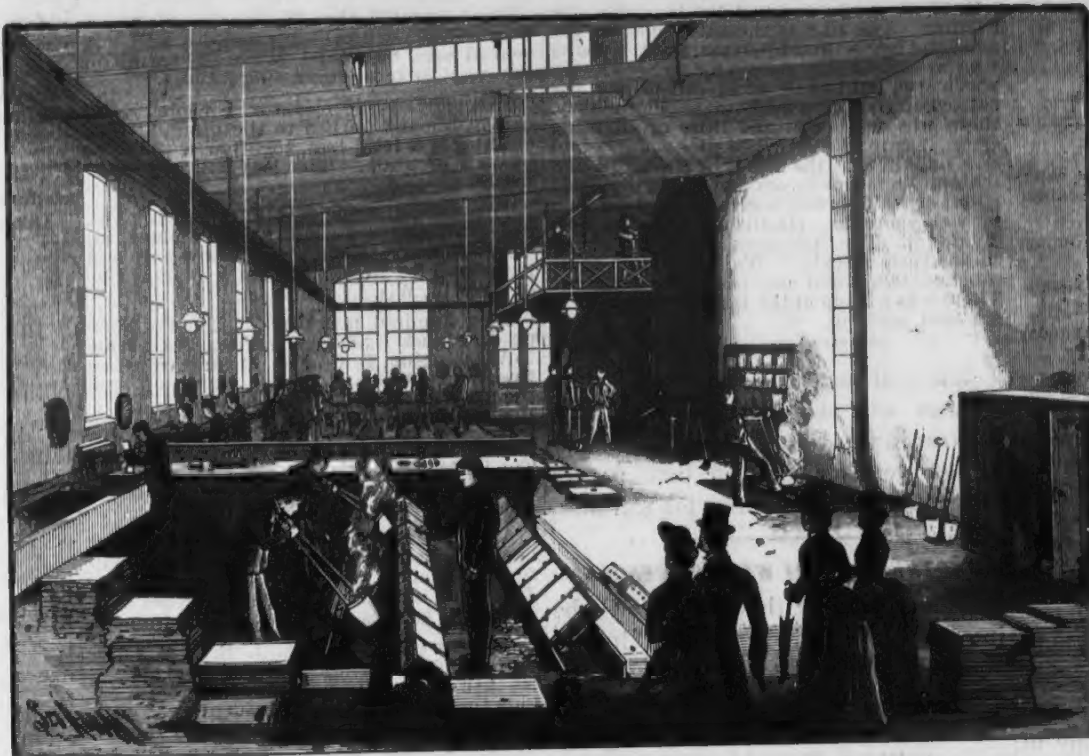
"THE value of the American maize crop," observes the *London Mark Lane Express*, "is something astonishing. To the two crops of 1887 and 1888 an aggregate monetary value of £238,000,000 is assigned. With this wonderful increase of agricultural wealth it is no longer surprising that the United States are paying off their national debt at the rate of £30,000,000 a year, or that a high mean standard of prosperity continues to be supported, notwithstanding protective tariffs which would drive Englishmen to the verge of revolt."

Just think of it! Of every eight loaves of bread which the Londoner eats seven are made of foreign wheat—two being Russian—and only one of home-grown grain. During last year London received a total of 2,745,891 qrs. of wheat, and of flour a further quantity (reckoned as quarters) of 2,356,883 qrs., or a grand total of 5,102,774 qrs. Of this vast quantity, the largest since 1883, but 600,000 were native, the whole of the remainder coming to us from abroad. The most noteworthy feature of the London trade is the extraordinary large imports of Russian wheat, and as striking a decrease in the imports from the United States.—*Mark Lane Express*.

RUSSIA'S grain shipments in 1888 having been the largest on record, it is somewhat surprising to learn that Russian official opinion, as embodied in the report of a recent Agricultural Commission, is of a very pessimistic character concerning the future of the vast corn-growing lands of the Empire. The big yield of 1888 following the good crop of 1887, an event which must be regarded as very exceptional, while the decrease in the average fertility of the soil on the returns of every ten years appears to be continuous. The destruction of forests and the embarrassed state of the farmers, whose crops as well as holdings are mortgaged at a higher rate of interest than agricultural profits allow, are two other causes of what appears to be well-grounded alarm.—*Mark Lane Express*, (London).

THE SAULT STE. MARIE VS. THE SUEZ CANAL.—The last month of any considerable traffic through the Sault Ste.

Marie Canal showed a gain of 105,000 tons over November, 1887, and brought the total freight tonnage for the season to December 1st up to 6,409,278 tons. This, a Cleveland paper remarks, is doubtless the greatest volume of business which has ever passed through any ship canal in an equal period. It is about the usual tonnage of the Suez canal for an entire year, showing a monthly traffic twice as great as that of the famous highway opened through the Egyptian sands by Count de Lesseps. The growth of the commerce of the great lakes is wonderful, even in this land of industrial marvels.



THE FOUNDRY.

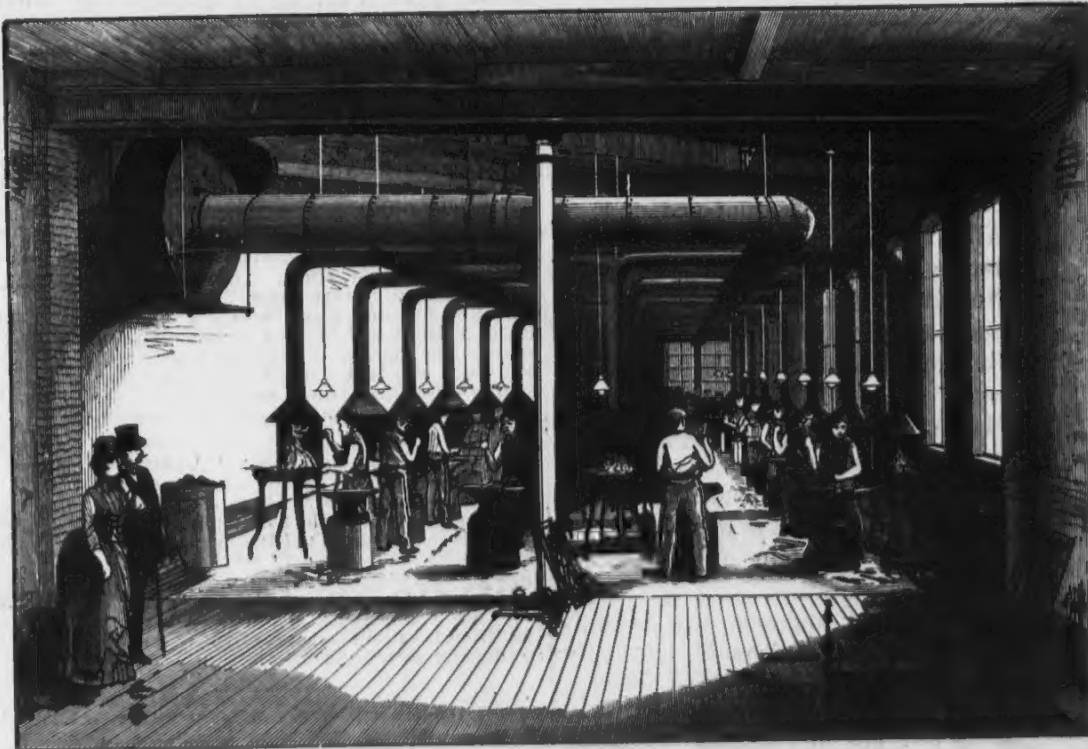
become thoroughly demoralized, and therefore ruinous to thousands engaged in the business.

Dr. E. T. Noel of Nashville, Tenn., was elected president of the convention, and D. H. Ranck of Indianapolis, secretary. After an address setting forth the object of the meeting by the president, the gentlemen present proceeded to business in a straight, forward manner, the result of which was the establishment of an organization to be called

which were happily responded to by the gentlemen present. As the clock struck the hour of one, the guests arose and proceeded to their respective lodgings, satisfied that they had spent one of the happiest evenings of their lives.

## CONVENTION NOTES.

GEO. BAIN, of the St. Louis delegation and a number of others called on President-elect Harrison. By the way, it seems quite probable that George will be appointed U. S. Consul at Glasgow.



THE SMITHS' SHOP.

"The Central Millers' Association, with a board of directors consisting of one miller from each state represented in the association. At the present writing (Feb. 20) we are informed that the capacity of mills in the association is about 66,000 barrels per day, to which additions are made daily.

Winter-wheat millers desiring to obtain a full and complete report of the proceedings, can obtain the same by address Alex. Smith, Esq., secretary Central Millers' Association, 212 Chamber of Commerce, St. Louis, Mo.

THE milling press was represented as follows: *The Millstone*, by D. H. Ranck; *The Merchant, Miller and Manufacturer*, by J. L. Rickart; *The Northwestern Miller*, by A. Litchfield; *The American Miller*, by H. B. Mitchell; *The Roller Mill*, by E. L. Burdick and *The United States Miller*, by E. H. Cawker.

WM. TRUDGEON, representing the Richmond Mfg. Co. of Lockport, N. Y., the only man on earth that can call every miller in six winter-wheat states by name on sight, was omnipresent.

BRO. RANCK, of *The Millstone*, did his level best to make things pleasant for everybody and succeeded.



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Edw. P. Allen & Co., Milwaukee, Wis., builders of complete Flour Mills, manufacturers of Flour Mill Machinery, and dealers in Supplies of every description. [Mr. 89.]

Garden City Mill Furnishing Co., Chicago, Ill., Mill Builders, manufacturers full line of Flour Mill Machinery, dealers in Mill Supplies, Bolting Cloth etc., etc. [Mr. 89.]

Borden, Sellick & Co., 45 & 50 Lake St., Chicago, Ill., manufacturers of "HARRISON CONVEYOR" for Grain, Malt, etc., etc. [Mr. 89.]

John C. Higgins & Son, 165 West Kinzie Street, Chicago, Ill., mfrs. of and dressers of Mill Picks. [Mr. 89.]

H. P. Yale & Co., Milwaukee, Wis., Manufacturers Agents of Engine and Boilers, New York Leather Belting Co.'s Leather Belting, Dodge Wood Pulley. [Mr. 89.]

Pool & Hunt, Baltimore, Md., manufacturers of Steam Engines, Water Wheels, Flour, Corn, Paper, Saw and Cotton Mill Machinery. [Mr. 89.]

W. J. Clark & Co., Salem, O., manufacturers of "SALEM" Elevator Buckets, etc. [Mr. 89.]

Thornburgh & Glessner, 18-23 N. Clinton St., Chicago, Ill., manufacturers of Mill and Elevator Supplies. [Mr. 89.]

R. C. McCutley, P. O. Box 214, Lancaster, Pa., manufactures Cob Crushers, Cooper's Stoves, Castings, Patterns, etc. [Mr. 89.]

G. H. & J. Sanford, Phoenix Iron Works, Sheboygan, Falls, Wis., manufacturers of the "IMPROVED WALSH" DOUBLE TURBINE WATER WHEEL. [Mr. 89.]

John C. Kilmer, York Foundry and Engine Works, York, Neb., Mill and Elevator machinery of all kinds. Engines, rollers, Pulleys, Shafting, etc. [Mr. 89.]

The Gutta Percha and Rubber Mfg. Co., 150-161 Lake St., Chicago, Ill., Belting and Rubber Goods. [Mr. 89.]

The Avery Elevator Bucket Co., sole owners and manufacturers of Seamless Steel Elevator Buckets, Wagon, Lake and Dart etc., Cleveland, O. [Mr. 89.]

Richmond Mfg. Co., Lockport, N. Y., manufacturers of Grain Cleaning Machinery, Bran Dusters etc. [Mr. 89.]

N. Y. Belting and Packing Co., N. Y. Leather Belting Co., Goulds & Austin, Agents, 187 and 189 Lake Street, Chicago. [Apr. 89.]

Weller Bros., 24 Wendell St., Chicago, Mfrs Mill and Elevator specialties, Cups, Boots, Spouts, Steel Conveyors, Power Grain Shovels; dealers in Cotton and Rubber Belting, etc. [Apr. 89.]

The Herdyske & Harmon Co., Indianapolis, Ind., Flour Mill and Mill Machinery builders, and dealers in Mill Supplies of all kinds. [May 89.]

The Shields & Brown Co., 240 and 242 Randolph St., Chicago, and 145 Worth St., New York Mfrs. of Sectional Insulated Air Coverings for steam, gas, and water pipe, etc. [May 89.]

W. A. Avery Mfg. Co., 10 Vincent St., Cleveland, O., Specialists: Avery Lever Belt Pulches, Avery Seamless Elevator Buckets, Belting, Elevator Bolts, etc. [May 89.]

The H. J. Deal Specialty Co., Bucyrus, Ohio, Headquarters for Flour and Grain Testing Appliances, and Specialties for the Milling, Flour and Grain trades. [May 89.]

**EXPORT AND MERCHANT MILLERS  
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E. Sanderson & Co., "Phoenix Mills, Milwaukee, Wis., U. S. A. Manufacturers and Exporters of choice spring wheat flour. Daily capacity 1500 barrels. [Apr. 89.]

Bernhard Stern, "Jupiter Mills," Milwaukee, Wis., Roller Mill, Hard wheat Patents. Principal brand, "Jupiter." [Apr. 89.]

Faist, Kraus & Co., "Duluth Roller Mill," Milwaukee, Wis., Manufacturers and Exporters of choice spring wheat flour. Daily capacity 1500 barrels. [May 89.]

Quasell, Andrews & Birkett Penn Yan, N. Y., Manufacturers of roller process Rye and Buckwheat flour. Absolute purity guaranteed. Write for prices. [Apr. 89.]

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[Jan. 89.]

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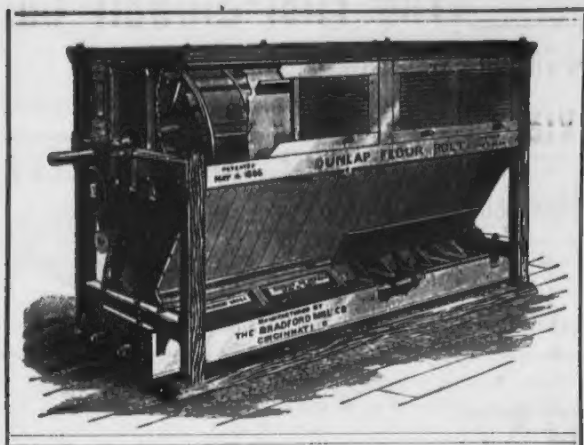
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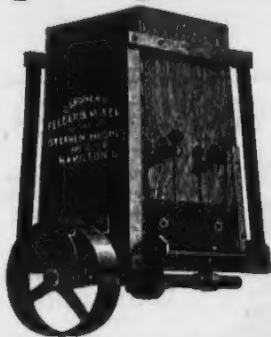
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The right is reserved to reject any or all bids, or any part of any bid, if deemed for the best interests of the service.

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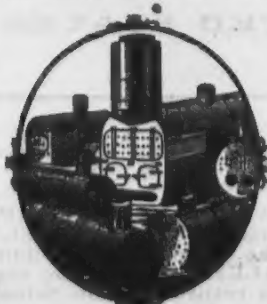
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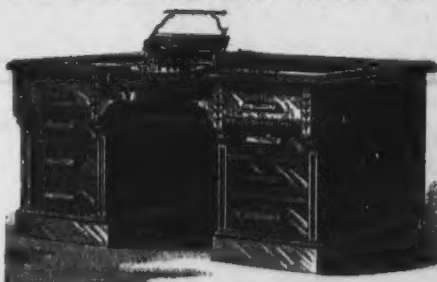
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[Signed,]

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Marinette, Green Bay,	3:10 P. M.	5:55 P. M.
Depere,	7:35 A. M.	9:30 A. M.
Green Bay, Depere, Appleton, Menasha, Neenah,	7:35 A. M.	9:30 A. M.
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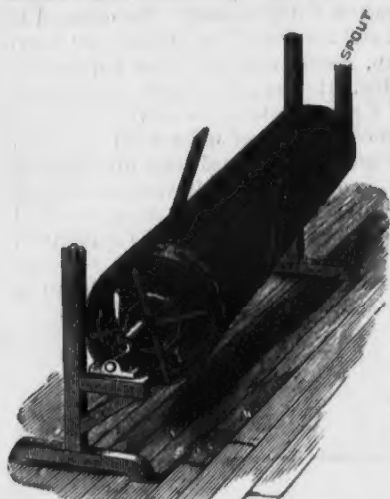


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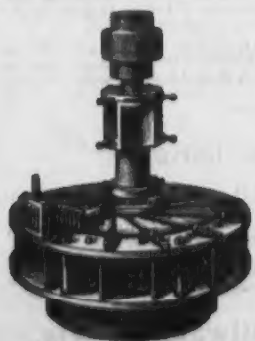
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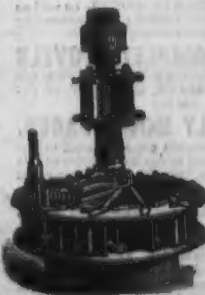
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